

1/1 - (C) WPI / DERWENT
AN - 83-18194K 08!
AP - JP810102213 810702
PR - JP810102213 810702; JP860213773 810622
TI - Calcium phosphate fibres prodn. useful as bone filler -
by melting and extruding through air-cooled nozzles and
dipping into acid soln.
IW - CALCIUM PHOSPHATE FIBRE PRODUCE USEFUL BONE FILL MELT
EXTRUDE THROUGH AIR COOLING NOZZLE DIP ACID SOLUTION
PA - (MISE) MITSUBISHI MINING & CEMENT CO
PN - JP58004821 A 830112 DW8308 011pp
- JP62012322B B 870318 DW8714 000pp
ORD - 1983-01-12
IC - A61L27/00 ; C03C13/00 ; D01F9/08
FS - CPI;GMPI
DC - D22 E33 P34
AB - J58004821 Molar ratio of calcium to phosphorus in the
calcium phosphate which is used as the material on
producing the fibres is 0.6-1.7 after the melting
process. The calcium phosphate is selected so that the
total amt. of CaO and P2O5 in the fibres is below 80%.
After the calcium phosphate is melted, it is extruded
into the fibres from the spinning nozzle to which air
is blown for cooling. The fibres obtd. are dipped in an
acid soln. whose pH value is 2-7. $\text{Ca}_4\text{O}(\text{PO}_4)_2$,
 $\text{Ca}_5(\text{PO}_4)_3\text{OH}$, $\text{Ca}_3(\text{PO}_4)_2$, or CaHPO_4 are pref. used as the
calcium phosphate material.
- The calcium phosphate fibres stimulate prodn. of new
bone.